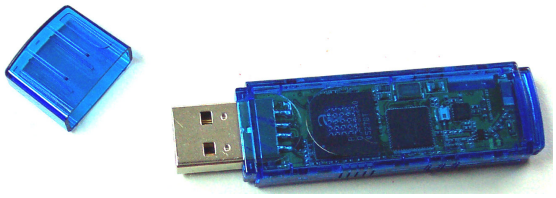
WUG2700

802.11b/g Wireless LAN USB 2.0 Adapter



A wireless LAN links network users to LAN services without the hassle of cabling or wiring, which significantly brings mobile workers the freedom of staying connected to the network while roaming around a building or multiple buildings maintaining access to the Internet, e-mail, networked applications, and print services.

This device is the perfect solution for your wireless network applications based on the **IEEE 802.11g** standard that offers a data rate up to **54Mbps** in a wireless LAN environment. It is a high-speed wireless network card that plugs into your system and accesses to the LAN or peer-to-peer networking easily without wires or cables. No matter where it allows you to share printers, files, and other network resources.

FEATURES

- Works with both IEEE 802.11b and 802.11g (both at 2.4 GHz) for compatibility & mobility
- Up to 54Mbps wireless data transfer rate
- Fast USB 2.0 connection to notebook/desktop computer
- Ad-Hoc or Infrastructure mode
- Soft AP feature creates AP (Access Point) function
- Compact pocket-sized design, lightweight

LED Indicator

- Link/ACTIVE: Orange

Power Requirement

- Operating Voltage: 3.3V DC
- TX consumption: 280mA (Max)
- RX consumption: 220mA (Max)
- Standby consumption:77mA(Max)

Physical specification

- Weight: 10g
- Dimension:71.5mm(L)×19mm(W)×7.9mm (H)

Supported OS

- Windows 98/SE/ME
- Windows 2000
- Windows XP

EMI Certification

- FCC Part 15 in US
- EN300328 and EN300826 (EN301489-17) in Europe

System Requirement

- PC with 400MHZ or Faster Processor
- 64MB RAM Memory
- Available USB Type A slot
- CD-ROM Drive

SPECIFICATION

Standard	IEEE 802.11g and 802.11b
Host Interface	USB 2.0
USB Connector Type	A-type USB2.0 connector
Antenna Connector	Chip antenna
Frequency Range	2.412GHz ~ 2.4835GHz
Operating Frequency / Channel	2.412~2.462GHz (FCC, Canada) / 11 Channels 2.412~2.4835GHz (Japan, TELEC) / 14 Channels 2.412~2.472GHz (Euro ETSI) / 13 Channels
Modulation Technique	Orthogonal frequency division multiplexing (OFDM) Direct Sequence Spread Spectrum (CCK, DQPSK, DBPSK)
Security	64/128bit WEP WPA WPA2 802.1x and 802.11i
Media Access Protocol	CSMA/CA (Collision Avoidance) with ACK
Output power	11g: 14dBm (Typical) 11b: 17dBm (Typical)
Data Rate	802.11g - 54, 48, 36, 24, 18, 12, 9 and 6Mbps with auto-rate fall back 802.11b - 11, 5.5, 2, and 1Mbps with auto-rate fall back
Sensitivity	54Mbps: -68dBm 11Mbps: -80dBm
Working Mode	Ad-Hoc, Infrastructure

Operation Voltage	3.3 Volts
Power Consumption	Continuous transmission mode: 290mA at 5VDC (Ave.) Continuous Reception mode: 240mA at 5VDC (Ave.)
Operation Temperature	-10~+60 °C
Humidity	5~90 % (Non Condensing)
Regulatory Approval	FCC, CE
Dimensions	71.5mm (L) × 19mm (W) × 7.9mm (H)
LED Indicator	Link/ACTIVE: Orange
OS Support	Win98/SE/ME, Win2000, WinXP, WinCE, Linux, MAC OSX
Throughput	20.5Mbps@ 54Mbps 5.7Mbps@ 11Mbps